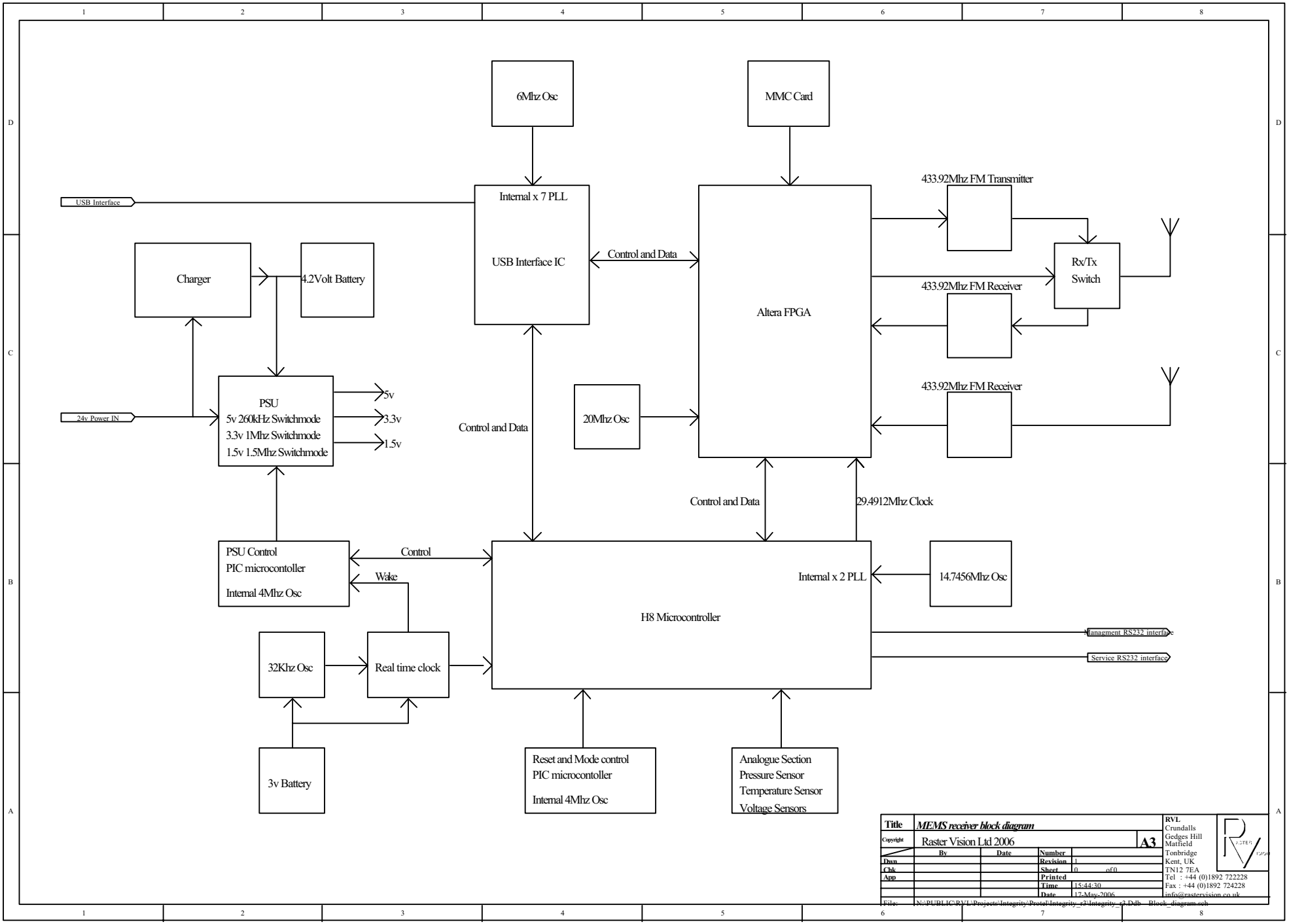
6Mhz Osc
MMC Card
USB Interface
Internal x 7 PLL
USB Interface IC
Control and Data
Altera FPGA
433.92Mhz FM Transmitter
Rx/Tx
Switch
433.92Mhz FM Receiver
433.92Mhz FM Receiver
Charger
4.2Volt Battery
24v Power IN
PSU
5v 260kHz Switchmode
3.3v 1Mhz Switchmode
1.5v 1.5Mhz Switchmode
5v
3.3v
1.5v
Control and Data
20Mhz Osc
Control and Data
29.4912Mhz Clock
PSU Control
PIC microcontoller
Internal 4Mhz Osc
Control
Wake
Internal x 2 PLL
14.7456Mhz Osc
H8 Microcontroller
Managment RS232 interface
Service RS232 interface
32Khz Osc
Real time clock
3v Battery
Reset and Mode control
PIC microcontoller
Internal 4Mhz Osc
Analogue Section
Pressure Sensor
Temperature Sensor
Voltage Sensors
Title
MEMS receiver block diagram
Copyright
Raster Vision Ltd 2006
A3
By
Date
Number
Dwn
Revision
1
Chk
Sheet
0
of 0
App
Printed
Time
15:44:30
Date
17-May-2006
File:
N:\PUBLIC\RVL\Projects\Integrity\Protel\Integrity_r3\Integrity_r3.Ddb
Block_diagram.sch
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